

**BRIEF  
PASSENGER CAR  
DATA**

**1962**



**ETHYL CORPORATION**



# **BRIEF PASSENGER CAR DATA**

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## **ETHYL CORPORATION**

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# TABLE OF CONTENTS

	Page
Notice Page and General Notes.....	5
List of Abbreviations.....	6
Summary of Characteristics.....	7
Trends of American Passenger Car Engine Design.....	7
Buick Special.....	8
Buick.....	9
Cadillac.....	10
Chevrolet Corvair and Corvette.....	11
Chevy II.....	12
Chevrolet.....	13
Chrysler.....	14
Dodge Lancer and Dart 6.....	15
Dodge Dart V-8.....	16
Imperial.....	17
Ford Thunderbird and Falcon.....	18
Ford Fairlane.....	19
Ford Galaxie.....	20
Lincoln Continental.....	21
Mercury Comet and Meteor.....	22
Mercury Monterey.....	23
Oldsmobile F-85.....	24
Oldsmobile.....	25
Plymouth Valiant and Plymouth 6.....	26
Plymouth V-8.....	27
Pontiac Tempest.....	28
Pontiac.....	29
Rambler American.....	30
Rambler.....	31
Studebaker.....	32
Automatic Transmissions.....	33
Spark Plug Heat Range Comparisons.....	36
Trend in Antiknock Quality, Regular Gasoline.....	38
Trend in Antiknock Quality, Premium Gasoline.....	39

## NOTICE

The specifications and adjustments contained in this booklet have been compiled by the Research Laboratories of the Ethyl Corporation from information supplied by manufacturers of motor cars, ignition apparatus, spark plugs, etc. None of this information represents the results of tests at the Research Laboratories of the Ethyl Corporation.

This information covers the essential characteristics, in ready reference form, of the 1962 passenger car models. It is correct at date of publication, but changes may be made from time to time by motor car manufacturers.

Data on horsepower, torque, bmep, etc., are those given by the manufacturer. Methods and technique of testing differ in various engineering departments, so these data are frequently not comparable for different makes of cars.

## GENERAL NOTES

### Spark Plugs

The spark plug installed and recommended by the factory is shown first in the specifications with the corresponding AC, Autolite or Champion spark plug shown as an alternate. These plugs are designed for average driving conditions. For heavy-duty or high-speed driving, it may be necessary to use a colder plug in order to obtain satisfactory spark plug life. The necessity for a colder plug is indicated by rapid electrode wear.

It is sometimes necessary to change to a plug which is hotter than the factory equipment plug for very light service, especially in metropolitan areas. If an engine is not pumping oil and the ignition system is in good condition but the spark plug consistently fouls—the need for a hotter plug is indicated. Caution should be exercised in using hotter than standard plugs as they are likely to cause preignition if the vehicle is subjected to high-speed driving.

### Ignition Timing

Ignition timing is given in crankshaft degrees and is factory setting. All distributors are provided with an adjustment enabling the ignition timing to be reset without disturbing the calibration of the distributor advance mechanism. Retarded ignition timing will eliminate or reduce detonation but will result in decreased performance and fuel economy. Also, in most cases, an ignition setting slightly in advance of the factory setting will result in additional performance and economy, although such an ignition setting will require a fuel of higher antiknock value than the standard setting.

### Carburetors

Carburetors should not be adjusted or jets changed except by qualified mechanics. Correct fuel (or float) levels are extremely important to satisfactory performance and fuel economy—factory specifications should be strictly maintained.

### Transmissions and Axle Ratio

The transmissions which are available as standard or optional equipment are listed with the axle ratios which are used as standard equipment with each type of transmission. In some instances additional axle ratios are available as optional equipment. A description of the automatic transmissions is given on pages 33, 34 and 35.

### Shipping Weight

The shipping weight is given for the four-door sedan with standard equipment. The weight of optional equipment such as radios, heaters, and automatic transmissions, etc., is not included. If the automatic transmission is included as standard equipment on the car, its weight is included in the shipping weight.

# LIST OF ABBREVIATIONS

AC.....	AC Spark Plug Division, GMC
Adv.....	Advance
AL.....	The Electric Autolite Company
Al A.....	Aluminum Alloy
Bbl.....	Barrel
BHP.....	Brake Horsepower
Bmep.....	Brake mean effective pressure
BTC.....	Before Top Center
C.....	Cold (valve adjustment)
Car.....	Carter (carburetors)
CAS.....	Cast Austenitic Steel
Centrif.....	Centrifugal
Champ.....	Champion Spark Plug Company
CI.....	Cast Iron
Clr.....	Clearance
CNS.....	Chrome Nickel Steel
DD.....	Downdraft
Deg.....	Degrees
DR.....	Delco-Remy Division, GMC
Eng.....	Engine
Eqpt.....	Equipment
Exh.....	Exhaust
H.....	Hot (valve adjustment)
Hyd. Lifters.....	Hydraulic Lifters
I.....	In-head (overhead valves)
Ind.....	Independent
Int.....	Intake
L.....	L-head
Max.....	Maximum
NA.....	Not Available
Neg.....	Negative
No. Cyl.....	Number of Cylinders
OD.....	Overdrive
Opt.....	Optional
Recm Press.....	Recommended Pressure (tires)
RP.....	Rochester Products (carburetors)
Sil.....	Silchrome
Sgl.....	Single
Std.....	Standard
Strom.....	Stromberg Carburetor Company
TDC.....	Top Dead Center
Tor.....	Torsion Bar
Trans.....	Transmission
Vac.....	Vacuum
W to w.....	Wall to wall turning diameter

## SUMMARY OF CHARACTERISTICS

### 1962 UNITED STATES PASSENGER CARS

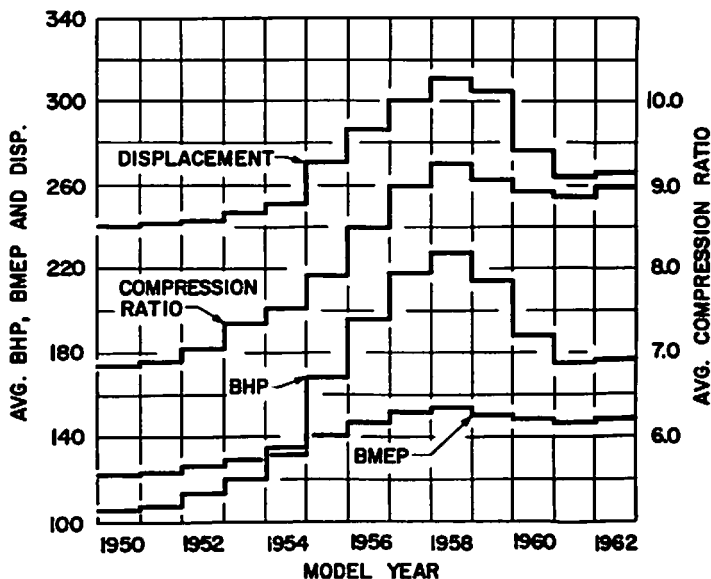
#### Specifications for Four-Door Sedans

	1961	1962	Change
Number of Makes.....	16	14	-2
Weighted Average Compression Ratio*.....	8.86	8.97	+0.11
Highest Standard Compression Ratio.....	10.5	11.0	+0.5
Lowest Standard Compression Ratio.....	8.0	8.0	.....
Weighted Average Displacement, Cubic Inches*.....	264.2	265.2	+1.0
Weighted Average Max. Brake Horsepower*.....	175.1	176.4	+1.3
Weighted Average Brake Mean Effective Pressure*.....	146.7	148.1	+1.4

\*In this booklet the specifications for each make and model car have been weighted in accordance with their percentage of the model year production. Production statistics have been used for all years up to 1961 and have been estimated for 1962.

## TRENDS OF AMERICAN PASSENGER CAR ENGINE DESIGN

### WEIGHTED AVERAGES BASED ON PRODUCTION VOLUME



Brief Passenger Car Data for 1962

January 1, 1962

# BUICK

CAR MODEL	Special V-6	Special V-8	Skylark
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-6-I	V-8-I	V-8-I
Bore and Stroke (in).....	3.625 x 3.20	3.5 x 2.8	3.5 x 2.8
Displacement (cu in).....	198	215	215
Max Horsepower @ rpm...	135 @ 4600	155 @ 4600 (1)	190 @ 4800
Max Torque, lb-ft @ rpm..	205 @ 2400	220 @ 2400 (1)	235 @ 3000
Max bmep, lb/sq in.....	156.1	154.0	164.8
Compression Ratio.....	8.8	9.0 (1)	11.0
Material-Cyl Head, Block..	CI; CI	Al A; Al A	Al A; Al A
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AC 44S	AC 45FFS	AC 44FFS
Alternate.....	A 42, J-12Y	AE 52, UL-15Y	AE 42, UL-15Y
Spark Plug Gap (in).....	.030 to .035	.030 to .035	.030 to .035
Firing Order.....	1-6-5-4-3-2	1-8-4-3-6-5-7-2	
Distributor Model.....	DR 1110286	DR 1110977	DR 1111007
Breaker Gap (in).....	.013 to .019	.013 to .019	.013 to .019
Cam Angle (degrees).....	29 to 31	29 to 31	29 to 31
Basic Timing, °BTC.....	7.5 (2)	7.5 (2)	7.5 (2)
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)..... Int	1.50; 0.385	1.50; 0.383	1.50; 0.383
Exh	1.31; 0.385	1.31; 0.383	1.31; 0.383
Tappet Clr-Valve			
Material..... Int	Hydraulic Lifters; SAE 1050 or 1047		
Exh	Hydraulic Lifters; Sil 10		
<b>CARBURETOR</b>			
Make, Model.....	RP 2GC	RP 2GC	RP 4GC
Type and Size (in).....	2 Bbl; 1.31	2 Bbl; 1.31	4 Bbl; 1.31 Pri, 1.44 Sec
<b>TRANSMISSION</b>			
Standard.....	Manual	Manual (3)	Manual (3)
Optional.....		Dual Path Turbine Drive	
Axle Ratio with			
Manual.....	3.36	3.36	3.36
Automatic.....	3.08	3.08	3.36
<b>CAPACITY</b>			
Oil (Refill)..... (qt)	4	4	4
Water (incl heater).... (qt)	12	13.5	13.5
Manual Transmission.... (pt)	2.25	2.25	2.25
Auto. Trans..... (Refill-qt)	6	6	6
Rear Axle..... (pt)	2	2	2
Gasoline..... (gal)	16	16	16
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread. (in)	112.1; 56, 56	112.1; 56, 56	112.1; 56, 56
Length-Width..... (in)	188.4; 71.3	188.4; 71.3	188.4; 71.3
Turning Diam. (w to w). (ft)	38.9	38.9	38.9
Shipping Weight..... (lb)	2657	2623	2659
Suspension-Frt, Rear.....	Ind. Coil Springs; Trailing Link Coil Springs		
Tire Size—Recm Press. (lb)	6.50x13-22-22 standard; 6.00x15 or 7.00x13 optional		
(1) Skylark 190 bhp engine optional on all Special V-8's.			
(2) Ignition timing set at 1050 rpm with vacuum advance disconnected.			
(3) Four-speed manual transmission optional.			

(1) Skylark 190 bhp engine optional on all Special V-8's.

(2) Ignition timing set at 1050 rpm with vacuum advance disconnected.

(3) Four-speed manual transmission optional.



CAR MODEL	LeSabre	Invicta	Electra
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-8-1	V-8-1	V-8-1
Bore and Stroke (in).....	4.188 x 3.64	4.188 x 3.64	4.188 x 3.64
Displacement (cu in).....	401	401	401
Max Horsepower @ rpm....	280 @ 4400 (1)	325 @ 4400	325 @ 4400
Max Torque, lb-ft @ rpm..	424 @ 2400 (1)	445 @ 2800	445 @ 2800
Max bmep, lb/sq in.....	159.4	167.3	167.3
Compression Ratio.....	10.25	10.25	10.25
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AC 44S	AC 44S	AC 44S
Alternate.....		AL A 42, Champ J-12Y	
Spark Plug Gap (in).....	.030 to .035	.030 to .035	.030 to .035
Firing Order.....		1 - 2 - 7 - 8 - 4 - 5 - 6 - 3	
Distributor Model.....		Delco-Remy 1110993 (2)	
Breaker Gap (in).....	.013 to .019	.013 to .019	.013 to .019
Cam Angle (degrees).....	29 to 31	29 to 31	29 to 31
Basic Timing, °BTC.....	12	12	12
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)..... Int	1.875; 0.439	1.875; 0.439	1.875; 0.439
Exh	1.50; 0.441	1.50; 0.441	1.50; 0.441
Tappet Clr-Valve			
Material..... Int		Hydraulic Lifters; SAE 1050 or 1047	
Exh		Hydraulic Lifters; Sil 10	
<b>CARBURETOR</b>			
Make, Model.....	RP 2GC	RP 4GC or Car AFB	
Type and Size (in).....	2 Bbl; 1.69	4 Bbl; 1.56 Pri, 1.69 Sec	
<b>TRANSMISSION</b>			
Standard.....	Turbine Drive	Turbine Drive	Turbine Drive
Optional.....			
Axle Ratio with			
Turbine Drive.....	2.78 (3)	3.23	3.23
<b>CAPACITY</b>			
Oil (Refill).....(qt)	4	4	4
Water (incl heater)....(qt)	18.5	18.5	18.5
Manual Transmission...(pt)			
Auto. Trans.....(Refill-qt)	12	12	12
Rear Axle.....(pt)	4.5	4.5	4.5
Gasoline.....(gal)	20	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Trend..(in)	123; 62, 61	123; 62, 61	126; 62, 61
Length-Width.....(in)	214.1; 78	214.1; 78	220.1; 78
Turning Diam. (w to w) .(ft)	48.7	48.7	50.3
Shipping Weight.....(lb)	4150	4171	4396
Suspension-Frt, Rear.....		Ind. Coil Springs; Trailing Link	Coil Springs
Tire Size—Recm Press..(lb)	7.60x15-24-24	7.60x15-24-24	8.00x15-24-24

(1) Optional "Low Compression" engine available with 265 bhp @ 4400 rpm, 412 lb-ft @ 2400 rpm and 9.0 CR. Optional "Power Package" engine also available with 4-bbl. carburetor, 10.25 CR, 325 bhp @ 4400, 445 lb-ft @ 2800.

(2) DR 1110999 with optional "Low Compression" engine.

(3) 3.23 axle ratio with "Power Package" engine.

# CADILLAC

CAR MODEL	Series 60, 62, 63	Fleetwood 67
<b>ENGINE</b>		
No. Cyl-Head Type.....	V-8-I	V-8-I
Bore and Stroke (in).....	4.00 x 3.875	4.00 x 3.875
Displacement (cu in).....	390	390
Max Horsepower @ rpm.....	325 @ 4800	325 @ 4800
Max Torque, lb-ft @ rpm.....	430 @ 3100	430 @ 3100
Max bmep, lb/sq in.....	166.3	166.3
Compression Ratio.....	10.5	10.5
Material-Cyl Head, Block.....	CI; CI	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt.....	AC 44	AC 44
Alternate.....	AL A42; Champ J-12Y	
Spark Plug Gap (in).....	.035	.035
Firing Order.....	1-8-4-3-6-5-7-2	
Distributor Model.....	DR 1110988	DR 1110988
Breaker Gap (in).....	.016	.016
Cam Angle (degrees).....	28 to 32	28 to 32
Basic Timing, °BTC.....	5	5
Battery—Volts, Ground.....	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in)..... Int	1.875; 0.451	1.875; 0.451
Exh	1.50; 0.451	1.50; 0.451
Tappet Clr-Valve Material..... Int	Hydraulic Lifters; SAE 1041 Aluminized	
Exh	Hydraulic Lifters; Sil 10	
<b>CARBURETOR</b>		
Make, Model.....	RP 4GC or Car AFB	RP 4GC or Car AFB
Type and Size (in).....	4 Bbl; 1.44 Pri, 1.69 Sec	
<b>TRANSMISSION</b>		
Standard.....	Hydra-Matic	Hydra-Matic
Optional.....		
Axle Ratio with		
Hydra-Matic.....	2.94; 3.21 opt (1)	3.36; 3.77 opt
<b>CAPACITY</b>		
Oil (Refill)..... (qt)	4	4
Water (incl heater)..... (qt)	19.33	20.89
Manual Transmission..... (pt)		
Auto. Trans..... (Refill-qt)	9	9
Rear Axle..... (pt)	5	5
Gasoline..... (gal)	26	26
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread..... (in)	129.5; 61, 61	149.8; 61, 61
Length-Width..... (in)	222; 79.9	242.3; 80.6
Turning Diam. (w to w)..... (ft)	45.7	51.2
Shipping Weight..... (lb)	4640 (62)	5325
Suspension-Frt, Rear.....	Ind. Coil Springs; Trailing Arm Coil Springs	
Tire Size—Recm Press..... (lb)	8.00x15-26-26 (2)	8.20x15-28-28

(1) 3.21 Standard on air conditioned cars.

(2) All white sidewall tires are 8.20 x 15.

CAR MODEL	Corvair 500-700-900	Corvette
<b>ENGINE</b>		
No. Cyl-Head Type	Horiz. Opposed 6-I	V-8-I
Bore and Stroke (in)	3.4375 x 2.6	4.00 x 3.25
Displacement (cu in)	145	327
Max Horsepower @ rpm	80 @ 4400 (1)	250 @ 4400 (2)
Max Torque, lb-ft @ rpm	128 @ 2300 (1)	350 @ 2800 (2)
Max bmep, lb/sq in	133.1	161.4
Compression Ratio	8.0 (1)	10.5 (2)
Material-Cyl Head, Block	AlA; AlA with CI cyl.	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt.	AC 46FF	AC 44
Alternate	AL AE82, Ch UL-15Y	AL A42, Ch J-12Y
Spark Plug Gap (in)	.035 to .040	.033 to .038
Firing Order	1-4-5-2-3-6	1-8-4-3-6-5-7-2
Distributor Model	DR 1110269	DR 1110987
Breaker Gap (in)	.019	.016 to .019
Cam Angle (degrees)	32 to 34	30
Basic Timing, °BTC	4 (3)	4 (4)
Battery—Volts, Ground	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in)	Int 1.34; 0.314 Exh 1.24; 0.344	1.72; 0.399 1.50; 0.399
Tappet Clr-Valve Material	Int Hyd. L.; 1041 Alum. Exh Hyd. L.; 21-4N	Hyd. L.; 1041 Hyd. L.; 21-4N Alum.
<b>CARBURETOR</b>		
Make, Model	RP, Model H	Car WCFB (2)
Type and Size (in)	2-Sgl; 1.25	4 Bbl; 1.44 (2)
<b>TRANSMISSION</b>		
Standard	Manual (5)	3-Spd Manual (5)
Optional	Corvair Powerglide	Powerglide
Axle Ratio—Manual	3.27; 3.55, 3.89 opt	3.36
Axle Ratio—Powerglide	3.27; 3.55, 3.89 opt	3.36
<b>CAPACITY</b>		
Oil (Refill)	(qt) 4	5
Water (incl heater)	(qt) Air cooled	16.5
Manual Transmission	(pt) 1.9	2 (7)
Auto. Trans.	(Refill-qt) 3	1.5
Rear Axle	(pt) 3.2	4
Gasoline	(gal) 14	16.4
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread	(in) 108; 54.5, 54.5	102; 57, 59
Length-Width	(in) 180; 67	176.7; 70.4
Turning Diam. (w to w)	(ft) 40.3	38.7
Shipping Weight	(lb) 2410 (700)	2925 (Convertible)
Suspension-Frt, Rear	Ind. Coil; Swing Axle	Ind. Coil; Semi-elliptic
Tire Size—Recm Press	(lb) 6.50x13-15-26	6.70x15-24-24

(1) 9.0 CR on Monza models with Powerglide. Engine rated at 84 bhp @ 4400 rpm and 130 lb-ft @ 2300 rpm. High performance engine with 9.0 CR, 102 bhp @ 4400 rpm, 134 lb-ft @ 3000 rpm is optional on all models.

(2) The following additional 327 cu. in. engines are optional:

BHP @ RPM	Torque @ RPM	CR	Features
300 @ 5000	360 @ 3200	10.5	Carter AFB Carb
340 @ 6000	344 @ 4000	11.25	AFB Carb, Special Cam
360 @ 6000	352 @ 4000	11.25	Fuel Inj; Sp. Cam

(3) 13° BTC on all engines with Powerglide and on 102 bhp with manual.

(4) Timing set at 8°BTC on 300 bhp engine and 10°BTC on 340 and 360 bhp.

(5) Four-speed manual transmission is optional.

## CHEVY II

CAR MODEL	Series 100 and 300 4-Cylinder	Series 100, 300 and Nova 400 6-Cylinder
<b>ENGINE</b>		
No. Cyl-Head Type.....	4-I	6-I
Bore and Stroke (in).....	3.875 x 3.25	3.563 x 3.25
Displacement (cu in).....	153	194
Max Horsepower @ rpm.....	90 @ 4000	120 @ 4400
Max Torque, lb-ft @ rpm.....	152 @ 2400	177 @ 2400
Max bmep, lb/sq in.....	149.8	137.6
Compression Ratio.....	8.5	8.5
Material-Cyl Head, Block.....	CI; CI	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt.....	AC 46N	AC 46N
Alternate.....	AL AG52	Ch UN-12Y
Spark Plug Gap (in).....	.033 to .040	.033 to .040
Firing Order.....	1-3-4-2	1-5-3-6-2-4
Distributor Model.....	DR 1110268	DR 1110267
Breaker Gap (in).....	.019	.019
Cam Angle (degrees).....	31 to 34	31 to 34
Basic Timing, °BTC.....	4	
Battery—Volts, Ground.....	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in)..... Int	1.72; 0.335	1.72; 0.335
Exh	1.50; 0.335	1.50; 0.335
Tappet Clr-Valve Material... Int	Hydraulic Lifters; 1041 or 1047	
Exh	Hydraulic Lifters; 21-4N	
<b>CARBURETOR</b>		
Make, Model.....	RP or Car	RP or Car
Type and Size (in).....	Sgl; 1.56	Sgl; 1.56
<b>TRANSMISSION</b>		
Standard.....	Manual	Manual
Optional.....	Powerglide	Powerglide
Axle Ratio with		
Manual.....	3.08; 3.55 opt	3.08; 3.36 opt
Powerglide.....	3.08; 3.55 opt	3.08
<b>CAPACITY</b>		
Oil (Refill).....(qt)	4	4
Water (incl heater).....(qt)	9	12
Manual Transmission.....(pt)	2	2
Auto. Trans.....(Refill-qt)	1.5	1.5
Rear Axle.....(pt)	4	4
Gasoline.....(gal)	16	16
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread.....(in)	110; 56.8, 56.3	110; 56.8, 56.3
Length-Width.....(in)	183; 70.8	183; 70.8
Turning Diam. (w to w).....(ft)	39.5	39.5
Shipping Weight.....(lb)	2460 (300)	2545 (300)
Suspension-Frt, Rear.....	Ind. Coil Springs; Sgl. Leaf Semi-elliptic	
Tire Size—Recm Press.....(lb)	6.00x13-24-24	6.00x13-24-24

# CHEVROLET

CAR MODEL	Six	Biscayne, Bel Air and Impala	
		283 V-8	327 V-8
ENGINE			
No. Cyl-Head Type.....	6-I	V-8-I	V-8-I
Bore and Stroke (in).....	3.56 x 3.94	3.875 x 3.0	4.00 x 3.25
Displacement (cu in).....	235.5	283	327 (1)(2)
Max Horsepower @ rpm....	135 @ 4000	170 @ 4200	250 @ 4400 (1)(2)
Max Torque, lb-ft @ rpm..	217 @ 2200	275 @ 2200	350 @ 2800 (1)(2)
Max bmep, lb/sq in.....	139.0	146.5	161.4
Compression Ratio.....	8.25	8.5	10.5 (2)
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI

<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AC 44	AC 46	AC 44
Alternate.....	A42, J-9Y	A42, J-12Y	A42, J-12Y
Spark Plug Gap (in).....	.033 to .040	.033 to .040	.035
Firing Order.....	1-5-3-6-2-4	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2
Distributor Model.....	DR 1112403	DR 1110947	DR 1110987
Breaker Gap (in).....	.019	.019	.019
Cam Angle (degrees).....	28 to 35	26 to 33	26 to 33
Basic Timing, °BTC.....	5	4	4 (3)
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg

<b>VALVES</b>			
Size and Lift (in)..... Int	1.875; 0.328	1.72; 0.333	1.72; 0.399
Exh	1.50; 0.328	1.50; 0.333	1.50; 0.399
Tappet Clr-Valve Matl. Int	Hydraulic Lifters; 1041 or 1047		
Exh	H. L.; 21-4NAl	H. L.; 21-4N	H. L.; 21-4NAl

<b>CARBURETOR</b>			
Make, Model.....	RP BC	RP 2GC	Car WCFB or RP 4GC
Type and Size (in).....	Sgl; 1.56	2 Bbl; 1.44	4 Bbl; 1.44

<b>TRANSMISSION</b>			
Standard.....	Manual	Manual	Manual (4)
Optional.....	Overdrive or Powerglide		Powerglide
Axle Ratio—Manual.....	3.36	3.36	3.36
Axle Ratio—Overdrive.....	3.70	3.70	
Axle Ratio—Powerglide....	3.36	3.36	3.08

<b>CAPACITY</b>			
Oil (Refill).....(qt)	5	4	5
Water (incl heater).....(qt)	18	18.5	18.5
Manual Transmission.....(pt)	2	2	2
Auto. Trans. .... (Refill-qt)	4.5	4.5	1.5
Rear Axle.....(pt)	4	4	4
Gasoline.....(gal)	20	20	20

<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread. (in)	119; 60.3, 59.3	119; 60.3, 59.3	119; 60.3, 59.3
Length-Width.....(in)	209.6; 79.0	209.6; 79.0	209.6; 79.0
Turning Diam. (w to w). (ft)	44.1	44.1	44.1
Shipping Weight.....(lb)	3475 (5)	3480 (5)	3556 (5)
Suspension-Frt, Rear.....	Ind. Coil Springs; Trailing Link Coil Springs		
Tire Size—Recm Press. (lb)	7.50x14-24-24	7.50x14-24-24	7.50x14-24-24

- (1) 327 cu. in. engine with Carter AFB 4-bbl carburetor, larger valves and manifolds available. 300 bhp @ 5000 rpm, 360 lb-ft @ 3200 rpm.
- (2) 409 cu. in. engine with 11 to 1 CR also available. 380 bhp @ 5800 rpm, 420 lb-ft @ 3200 rpm with single 4-bbl carburetor; 409 bhp @ 6000 rpm, 420 lb-ft @ 4000 rpm with two 4-bbl carburetors.
- (3) Ignition timing 8°BTC on 300 bhp engine and 12°BTC on 380 and 409.
- (4) Four-speed manual transmission optional.
- (5) Weight given for Bel Air 4-door sedan with manual transmission.

Brief Passenger Car Data for 1962

January 1, 1962

# CHRYSLER

CAR MODEL	Newport	300	New Yorker
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-8-I	V-8-I	V-8-I
Bore and Stroke (in).....	4.12 x 3.38	4.25 x 3.38	4.19 x 3.75
Displacement (cu in).....	361	383 (1)	413
Max Horsepower @ rpm....	265 @ 4400	305 @ 4600 (1)	340 @ 4600
Max Torque, lb-ft @ rpm..	380 @ 2400	410 @ 2400 (1)	470 @ 2800
Max bmep, lb/sq in.....	158.7	161.4	171.6
Compression Ratio.....	9.0	10.0	10.1
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	Champ J-12Y	Champ J-12Y	Champ J-12Y
Alternate.....		Autolite A-42; AC	44S
Spark Plug Gap (in).....	.035	.035	.035
Firing Order.....		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2	
Distributor Model.....	2095836	2095836	2095987
Breaker Gap (in).....	.014 to .019	.014 to .019	.014 to .019
Cam Angle (degrees).....	27 to 32	27 to 32	27 to 32
Basic Timing, "BTC".....	10	10	10
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in).....	Int 2.08; 0.390	2.08; 0.390	2.08; 0.390
	Exh 1.60; 0.390	1.60; 0.390	1.60; 0.390
Tappet Clr-Valve			
Material.....	Int	Hydraulic Lifters; SAE 1041	
	Exh	Hydraulic Lifters; 21-4N	
<b>CARBURETOR</b>			
Make, Model.....	Car or Strom	Car BBD	Car AFB
Type and Size (in).....	2 Bbl; 1.56	2 Bbl; 1.56	4 Bbl; 1.44 Pri, 1.56 Sec
<b>TRANSMISSION</b>			
Standard.....	Manual	Manual	TorqueFlite
Optional.....	TorqueFlite	TorqueFlite	
Axle Ratio with			
Manual.....	3.23	3.23	
TorqueFlite.....	2.93; 3.23 opt	2.93; 3.23 opt (2)	2.93
<b>CAPACITY</b>			
Oil (Refill).....(qt)	5	5	5
Water (incl Heater)....(qt)	17	17	17
Manual Transmission....(pt)	4.5	4.5	
Auto. Trans.....(Refill-qt)	9	9	9
Rear Axle.....(pt)	4	4	4
Gasoline.....(gal)	23	23	23
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	122; 60.9, 59.7	122; 60.9, 59.7	126; 60.9, 59.7
Length-Width.....(in)	214.9; 79.4	214.9; 79.4	219.3; 79.4
Turning Diam. (w to w) (ft)	46.2	46.2	49.7
Shipping Weight.....(lb)	3720	3810	3950
Suspension-Frt, Rear.....	Independent Torsion Bar; Semi-elliptic		
Tire Size—Recm Press..(lb)	8.00x14-24-22		8.50x14-22-22

(1) The 300 model has following optional engines available with 413 cu. in. disp. and 10.1 CR:

Engine	BHP @ RPM	Lb-Ft @ RPM	Carb.	Transmission
300 PP	340 @ 4600	470 @ 2800	4 Bbl	M or A
300 H	380 @ 5200	450 @ 3600	2-4 Bbl	A

(2) 3.23 Axle used on 300 H model.

Brief Passenger Car Data for 1962

January 1, 1962

CAR MODEL	Lancer 170 and 770	Dart, Dart 330 and Dart 440 Six
<b>ENGINE</b>		
No. Cyl-Head Type	6-1	6-1
Bore and Stroke (in)	3.4 x 3.125	3.4 x 4.125
Displacement (cu in)	170 (1)	225
Max Horsepower @ rpm	101 @ 4400 (1)	145 @ 4000
Max Torque, lb-ft @ rpm	155 @ 2400 (1)	215 @ 2800
Max bmep, lb/sq in	137.5	144.1
Compression Ratio	8.2	8.2
Material-Cyl Head, Block	CI; CI (1)	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt	Champ N-12Y	Champ N-12Y
Alternate	AL AG 52,	AC 45 XLS
Spark Plug Gap (in)	.035	.035
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4
Distributor Model	Chrysler 2095974	Chrysler 2095976
Breaker Gap (in)	.017 to .023	.017 to .023
Cam Angle (degrees)	40 to 45	40 to 45
Basic Timing, °BTC	2.5	2.5
Battery—Volts, Ground	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in)	Int 1.62; 0.371	1.62; 0.371
	Exh 1.36; 0.364	1.36; 0.364
Tappet Clr-Valve Material	Int .010"H; SAE 1041	.010"H; SAE 1041
	Exh .020"H; 21-4N	.020"H; 21-4N
<b>CARBURETOR</b>		
Make, Model	Car BBS or Holley	Car BBS or Holley
Type and Size (in)	Sgl; 1.56 (2)	Sgl; 1.69
<b>TRANSMISSION</b>		
Standard	Manual	Manual
Optional	TorqueFlite 6	TorqueFlite 6
Axle Ratio with		
Manual	3.55; 3.23, 3.91 opt	3.31; 3.55 opt
TorqueFlite	3.23; 3.55 opt	2.93; 3.31, 3.55 opt
<b>CAPACITY</b>		
Oil (Refill)	(qt) 4	4
Water (incl heater)	(qt) 12	13
Manual Transmission	(pt) 5	4.5
Auto. Trans.	(Refill-qt) 7	7
Rear Axle	(pt) 2	3.5
Gasoline	(gal) 14	20
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread	(in) 106.5; 55.9, 55.6	116; 59.4, 57.5
Length-Width	(in) 188.8; 72.3	202; 76.5
Turning Diam. (w to w)	(ft) 39.5	43.8
Shipping Weight	(lb) 2550 (770)	3025 (Dart 330)
Suspension-Frt, Rear	Ind. Tor. Bar; Semi-elliptic	
Tire Size—Recm Press	(lb) 6.50x13-24-24	6.50x14-24-24

- (1) Optional power package 225 cu. in. engine available. Engine has same specifications as Dart 6 engine except that the block is die cast aluminum alloy.
- (2) Carburetor size 1.69 inches with automatic transmission.

# DODGE

CAR MODEL	Dart, Dart 330 and Dart 440	Power Option	Polara 500
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-8-I	V-8-I	V-8-I
Bore and Stroke (in).....	3.91 x 3.31	3.91 x 3.31	4.12 x 3.38
Displacement (cu in).....	318 (1)	318	361
Max Horsepower @ rpm.....	230 @ 4400 (1)	260 @ 4400	305 @ 4800
Max Torque, lb-ft @ rpm.....	340 @ 2400 (1)	345 @ 2800	395 @ 3000
Max bmep, lb/sq in.....	161.2	163.6	165.0
Compression Ratio.....	9.0	9.0	9.0
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	Champ J-12Y	Champ J-12Y	Champ J-9Y
Alternate.....	AL A42, AC 44S		AL A32, AC 42S
Spark Plug Gap (in).....	.035	.035	.035
Firing Order.....		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2	
Distributor Model.....	2095983 (2)	2095981	AL IBS-4006-G
Breaker Gap (in).....	.014 to .019	.014 to .019	.014 to .019
Cam Angle (degrees).....	27 to 32	27 to 32	27 to 32 each set
Basic Timing, °BTC.....	5 (2)	10	10
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in).....	Int 1.84; 0.380 Exh 1.56; 0.386	1.84; 0.400 1.56; 0.406	2.08; 0.430 1.60; 0.430
Tappet Clr-Valve			
Material.....	Int .010" H; SAE 1041 Exh .018" H; 21-4N		Hyd. L; 1041 Hyd. L; 21-4N
<b>CARBURETOR</b>			
Make, Model.....	Car BBD or Strom WW	Car AFB	Car AFB
Type and Size (in).....	2 Bbl; 1.44	4 Bbl; 1.44	4 Bbl; 1.44
<b>TRANSMISSION</b>			
Standard.....	Manual	TorqueFlite 8	Manual
Optional.....	TorqueFlite 8		TorqueFlite 8
Axle Ratio with			
Manual.....	3.23; 3.55 opt		3.23; 3.55 opt
TorqueFlite.....	2.76; 3.23 opt	3.23; 2.76 opt	2.76; 3.23 opt
<b>CAPACITY</b>			
Oil (refill).....(qt)	4	4	4
Water (incl heater).....(qt)	21	21	17
Manual Transmission.....(pt)	4.5		4.5
Auto. Trans.....(Refill-qt)	9	9	9
Rear Axle.....(pt)	4	4	4
Gasoline.....(gal)	20	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	116; 59.4, 57.5	116; 59.4, 57.5	116; 59.4, 57.5
Length-Width.....(in)	202; 76.5	202; 76.5	202; 76.5
Turning Diam. (w to w) (ft)	43.8	43.8	43.8
Shipping Weight.....(lb)	3170 (Dart 330)	NA	3300
Suspension-Frt, Rear.....		Ind. Tor. Bar; Semi-elliptic	
Tire Size—Recm Press.....(lb)	7.00x14-24-22	7.00x14-24-22	7.00x14-24-22

(1) The 260 bhp power option engine or the 305 bhp D-500 engine used in the Polara 500 are optional in all V-8's.

(2) Timing and distributor given for manual transmission. With automatic 2095979 distributor with 10°BTC basic timing.



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**CAR MODEL** Custom, Crown and LeBaron
 

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**ENGINE**

No. Cyl-Head Type.....	V-8-I
Bore and Stroke (in).....	4.19 x 3.75
Displacement (cu in).....	413
Max Horsepower @ rpm.....	340 @ 4600
Max Torque, lb-ft @ rpm.....	470 @ 2800
Max bmep, lb/sq in.....	171.6
Compression Ratio.....	10.1
Material-Cyl Head, Block.....	CI; CI

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**IGNITION**

Spark Plug—Factory Eqpt.....	Champ J-12Y
Alternate.....	AL A42, AC 44S
Spark Plug Gap (in).....	.035
Firing Order.....	1-8-4-3-6-5-7-2
Distributor Model.....	Chrysler 209S987
Breaker Gap (in).....	.014 to .019
Cam Angle (degrees).....	27 to 32
Basic Timing, °BTC.....	10
Battery—Volts, Ground.....	12, Neg

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**VALVES**

Size and Lift (in).....	Int 2.08; 0.390
	Exh 1.60; 0.390
Tappet Clr-Valve Material... Int	Hydraulic Lifters; SAE 1041
	Exh Hydraulic Lifters; 21-4N

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**CARBURETOR**

Make, Model.....	Car AFB
Type and Size (in).....	4 Bbl; 1.44 Pri, 1.56 Sec

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**TRANSMISSION**

Standard.....	TorqueFlite
Optional.....	
Axle Ratio with TorqueFlite.....	2.93

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**CAPACITY**

Oil (Refill).....(qt)	5
Water (incl heater).....(qt)	17
Manual Transmission.....(pt)	
Auto. Trans.....(Refill-qt)	9
Rear Axle.....(pt)	4
Gasoline.....(gal)	23

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**GENERAL DATA (Four-Door Sedan)**

Wheelbase-F&R Tread.....(in)	129; 61.7, 62.2
Length-Width.....(in)	227.1; 81.7
Turning Diam. (w to w).....(ft)	52.3
Shipping Weight.....(lb)	4770 (Crown)
Suspension-Frt, Rear.....	Independent Tor Bar; Semi-elliptic
Tire Size—Recm Press.....(lb)	8.20x15-24-24

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# FORD

CAR MODEL	Thunderbird	Falcon Std. Engine	Falcon Optional Engine
<b>ENGINE</b>			
No. Cyl-Head Type	V-8-1	6-1	6-1
Bore and Stroke (in)	4.05 x 3.78	3.5 x 2.5	3.5 x 2.94
Displacement (cu in)	390	144.3	170
Max Horsepower @ rpm	300 @ 4600 (1)	85 @ 4200	101 @ 4400
Max Torque, lb-ft @ rpm	427 @ 2800 (1)	134 @ 2000	156 @ 2400
Max bmep, lb/sq in	165.1	140.0	138.4
Compression Ratio	9.6 (1)	8.7	8.7
Material-Cyl Head, Block	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AL BF 42	AL BF 82	AL BF 82
Alternate	F-11Y, 84TS	85TS, F-14Y	85TS, F-14Y
Spark Plug Gap (in)	.032 to .036	.032 to .036	.032 to .036
Firing Order	1-5-4-2-6-3-7-8	1-5-3-6-2-4	1-5-3-6-2-4
Distributor Model	C2SF-12127-A	C2DF-12127-A	C1DF-12127-B
Breaker Gap (in)	.014 to .016	.024 to .026	.024 to .026
Cam Angle (degrees)	26 to 28.5	35 to 38	35 to 38
Basic Timing, °BTC	8	(2)	(2)
Battery—Volts, Ground	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)	Int 2.03; 0.408 Exh 1.56; 0.408	1.47; 0.344 1.27; 0.344	1.53; 0.344 1.27; 0.344
Tappet Clr-Valve			
Material	Int H. L.: 1047 (3) Exh H. L.: CAS (3)	.018"H; 1047 (3) .018"H; CAS	.018"H; 1047 (3) .018"H; CAS
<b>CARBURETOR</b>			
Make, Model	Ford	Holley 1909	Holley 1909
Type and Size (in)	4 Bbl; 1.56	Sgl; 1.44	Sgl; 1.44
<b>TRANSMISSION</b>			
Standard	Cruise-O-Matic	Manual	Manual
Optional		Fordomatic	Fordomatic
Axle Ratio with			
Manual		3.10; 3.50 opt	3.20; 3.50 opt
Fordomatic		3.50; 3.10 opt	3.50; 3.20 opt
Cruise-O-Matic	3.00		
<b>CAPACITY</b>			
Oil (Refill) (qt)	5	3.5	3.5
Water (incl heater) (qt)	20.5	9.3	9.3
Manual Transmission (pt)		2.3	2.3
Auto. Trans. (Refill-qt)	10	6.25	6.25
Rear Axle (pt)	5.0	2.5	2.5
Gasoline (gal)	20	14	14
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	113; 61, 60	109.5; 55, 54.5	109.5; 55, 54.5
Length-Width (in)	205; 76	181.1; 70.6	181.1; 70.6
Turning Diam. (w to w) (ft)	43.1	40.8	40.8
Shipping Weight (lb)	4132 Hardtop	2319	2325
Suspension-Frt, Rear		Independent Coil Springs; Semi-elliptic	
Tire Size—Recm Press (lb)	8.00x14-24-24	6.00x13-24-24 std.; 6.50x13-24-24 opt.	

- (1) Performance option engine available with three 2-bbl. carburetors, 10.5 CR, 340 bhp @ 5000 rpm and 430 lb-ft @ 3200 rpm.
- (2) Timing set at 6°BTC with manual transmission; 12°BTC with automatic.
- (3) Valves are aluminum coated.

CAR MODEL	Fairlane and Fairlane 500 Six	Fairlane and Fairlane 500 V-8
<b>ENGINE</b>		
No. Cyl-Head Type	6-1	V-8-1
Bore and Stroke (in)	3.50 x 2.94	3.50 x 2.87
Displacement (cu in)	170	221
Max Horsepower @ rpm	101 @ 4400	145 @ 4400
Max Torque, lb-ft @ rpm	156 @ 2400	216 @ 2200
Max bmep, lb/sq in	138.4	147.4
Compression Ratio	8.7	8.7
Material-Cyl Head, Block	CI; CI	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt.	AL BF 82	AL BF 92
Alternate	Ch F-14Y, AC 85TS	Ch F-14Y, AC 85TS
Spark Plug Gap (in)	.032 to .036	.032 to .036
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Distributor Model	C1DF-12127-B	C2OF-12127-E
Breaker Gap (in)	.024 to .026	.014 to .016
Cam Angle (degrees)	35 to 38	26 to 28.5
Basic Timing, °BTC	(1)	6
Battery—Volts, Ground	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in)	Int 1.53; 0.344 Exh 1.27; 0.344	1.59; 0.385 1.39; 0.385
Tappet Ctr-Valve Material	Int .018 "H; 1047 (2) Exh .018 "H; CAS	Hyd. Lifters; 1047 (2) Hyd. Lifters; CAS
<b>CARBURETOR</b>		
Make, Model	Holley 1909	Ford
Type and Size (in)	Sgl; 1.44	2 Bbl; 1.31
<b>TRANSMISSION</b>		
Standard	Manual	Manual
Optional	Fordomatic	Fordomatic or O.D.
Axle Ratio with		
Manual	3.50; 3.25 opt	3.25; 3.50 opt
Overdrive	NA	3.50; 3.80 opt
Fordomatic	3.25; 3.50 opt	3.25; 3.50 opt
<b>CAPACITY</b>		
Oil (Refill)	(qt) 3.5	4
Water (incl heater)	(qt) 9.5	14.5
Manual Transmission	(pt) 2.5	2.5
Auto. Trans.	(Refill-qt) 6.25	6.25
Rear Axle	(pt) 2.5	2.5
Gasoline	(gal) 16	16
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread	(in) 115.5; 57, 56	115.5; 57, 56
Length-Width	(in) 197; 71.3	197; 71.3
Turning Diam. (w to w)	(ft) 42.8	42.8
Shipping Weight	(lb) 2808	2966
Suspension-Frt, Rear	Independent Coil Springs; Semi-elliptic	
Tire Size—Recm Press	(lb) 6.50x13-26-26	7.00x13-26-26

(1) Timing set at 6°BTC with manual transmission; 12°BTC with automatic.

(2) Valves are aluminum coated.

FORD			
CAR MODEL	Galaxie Six	Galaxie Std. V-8	Galaxie 390 V-8
<b>ENGINE</b>			
No. Cyl-Head Type.....	6-1	V-8-1	V-8-1
Bore and Stroke (in).....	3.625 x 3.6	3.75 x 3.3	4.05 x 3.78
Displacement (cu in).....	223	292 (1)	390
Max Horsepower @ rpm....	138 @ 4200	170 @ 4200 (1)	300 @ 4600
Max Torque, lb-ft @ rpm....	203 @ 2200	279 @ 2200 (1)	427 @ 2800
Max bmep, lb/sq in.....	137.3	144.1	165.1
Compression Ratio.....	8.4	8.8 (1)	9.6
Material-Cyl Head, Block...	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AL BTF 6	AL BF 82	AL BF 42
Alternate.....	860, 84T	F-14Y, 85TS	F-11Y, 84TS
Spark Plug Gap (in).....	.032 to .036	.032 to .036	.032 to .036
Firing Order.....	1-5-3-6-2-4	1-5-4-8-6-3-7-2	1-5-4-2-6-3-7-8
Distributor Model.....	C1AF-12127-E	C0AF-12127-A	C2AF-12127-A
Breaker Gap (in).....	.024 to .026	.014 to .016	.014 to .016
Cam Angle (degrees).....	35 to 38	26 to 28.5	26 to 28.5
Basic Timing.....	(2)	(3)	(4)
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)..... Int	1.78; 0.369	1.65; 0.360	2.03; 0.408
Exh	1.51; 0.369	1.51; 0.360	1.56; 0.408
Tappet Clr-Valve Matl. Int	0.0; 1047 (5)	.018" H; 1047 (5)	Hyd. L.; 1047 (5)
Exh	0.0; CAS	.018" H; CAS	Hyd. L.; CAS (5)
<b>CARBURETOR</b>			
Make, Model.....	Holley	Ford	Ford
Type and Size (in).....	Sgl; 1.56	2 Bbl; 1.44	4 Bbl; 1.56
<b>TRANSMISSION</b>			
Standard.....	Manual	Manual	Manual (6)
Optional.....	Fordomatic	Fordomatic or Cruise-O-Matic	Cruise-O-Matic
Axle Ratio—Manual.....	3.56; 3.89 opt	3.56	3.56
Axle Ratio—Overdrive.....	3.89	3.89; 3.56 opt	3.56
Axle Ratio—Fordomatic.....	3.56	3.00	
Axle Ratio—Cruise-O-Matic	NA	3.00	3.00
<b>CAPACITY</b>			
Oil (Refill)..... (qt)	4	5	5
Water (incl heater)..... (qt)	16	20	20.5
Manual Transmission..... (pt)	3.0	3.0	3.25
Auto. Trans..... (Refill-qt)		Fordomatic 9.5; Cruise-O-Matic 10	
Rear Axle..... (pt)	5.0	5.0	5.0
Gasoline..... (gal)	20	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread. (in)	119; 61, 60	119; 61, 60	119; 61, 60
Length-Width..... (in)	209.3; 79.2	209.3; 79.2	209.3; 79.2
Turning Diam. (w to w) (ft)	43.6	43.6	43.6
Shipping Weight..... (lb)	3586	3697	3812
Suspension-Frt, Rear.....	Independent Coil Springs; Semi-elliptic		
Tire Size—Recm Press. (lb)	7.50x14-24-24	7.50x14-24-24	7.50x14-24-24
(1) The following additional optional engines are available:			
Displacement	CR	BHP @ RPM	Torque @ RPM
352	8.9	220 @ 4300	336 @ 2600
390	9.6	330 @ 5000	427 @ 3200
406	10.9	385 @ 5800	444 @ 3400
406	10.9	405 @ 5800	448 @ 3500
(2) 6°BTC with manual transmission; 12°BTC with automatic.			
(3) 5°BTC with manual transmission; 12°BTC with automatic.			
(4) 5°BTC with manual transmission; 8°BTC with automatic.			
(5) Valves are aluminum coated.			
(6) Four-speed manual transmission optional with 352, 390 and 406 engines.			

# LINCOLN-CONTINENTAL

CAR MODEL	Continental
<b>ENGINE</b>	
No. Cyl-Head Type.....	V-8-I
Bore and Stroke (in).....	4.30 x 3.70
Displacement (cu in).....	430
Max Horsepower @ rpm.....	300 @ 4100
Max Torque, lb-ft @ rpm.....	465 @ 2000
Max bmep, lb/sq in.....	163.1
Compression Ratio.....	10.0
Material-Cyl Head, Block.....	CI; CI
<b>IGNITION</b>	
Spark Plug—Factory Eqpt.....	AL BF 42
Alternate.....	AC 84TS, Champ F-11Y
Spark Plug Gap (in).....	.032 to .036
Firing Order.....	1-5-4-2-6-3-7-8
Distributor Model.....	CIVF-12127-A
Breaker Gap (in).....	.014 to .016
Cam Angle (degrees).....	26 to 28.5
Basic Timing, °BTC.....	8
Battery—Volts, Ground.....	12, Neg
<b>VALVES</b>	
Size and Lift (in)..... Int	1.96; 0.408
Exh	1.65; 0.408
Tappet Clr-Valve Material... Int	Hyd. Lifters; Sil 1
Exh	Hyd. Lifters; Cast Austenitic Steel Alum. Coat.
<b>CARBURETOR</b>	
Make, Model.....	Carter ABD
Type and Size (in).....	2 Bbl; 1.562
<b>TRANSMISSION</b>	
Standard.....	Twin-Range Turbo Drive
Optional.....	
Axle Ratio with	
Automatic.....	2.89
<b>CAPACITY</b>	
Oil (Refill).....(qt)	5
Water (incl heater).....(qt)	25
Manual Transmission.....(pt)	
Auto. Trans.....(Refill-qt)	11.5
Rear Axle.....(pt)	4.8
Gasoline.....(gal)	21
<b>GENERAL DATA (Four-Door Sedan)</b>	
Wheelbase-F&R Tread.....(in)	123; 62.1, 61.0
Length-Width.....(in)	213; 78.6
Turning Diam. (w to w).....(ft)	47.8
Shipping Weight.....(lb)	4944 (1)
Suspension-Frt, Rear.....	Independent Coil Springs; Semi-elliptic
Tire Size—Recm Press.....(lb)	9.00x14-24-24

(1) Weight given for 4-door hardtop.

# MERCURY

CAR MODEL	Comet	Meteor 6	Meteor V-8
<b>ENGINE</b>			
No. Cyl-Head Type	6-1	6-1	V-8-1
Bore and Stroke (in)	3.50 x 2.50	3.50 x 2.94	3.50 x 2.87
Displacement (cu in)	144.3	170	221
Max Horsepower @ rpm	85 @ 4200 (3)	101 @ 4400	145 @ 4400
Max Torque, lb-ft @ rpm	134 @ 2000 (3)	156 @ 2400	216 @ 2200
Max bmep, lb/sq in	140.0	138.4	147.4
Compression Ratio	8.7	8.7	8.7
Material-Cyl Head, Block	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AL BF 82	AL BF 82	AL BF 92
Alternate	F-14Y, 85TS	F-14Y, 85TS	F-14Y, 85TS
Spark Plug Gap (in)	.032 to .036	.032 to .036	.032 to .036
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Distributor Model	C2DF-12127-A	C1DF-12127-B	C2OF-12127-E
Breaker Gap (in)	.024 to .026	.024 to .026	.014 to .016
Cam Angle (degrees)	35 to 38	35 to 38	26 to 28.5
Basic Timing, °BTC	(1)	(1)	6
Battery—Volts, Ground	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)	Int 1.47; 0.344 Exh 1.27; 0.344	1.53; 0.344 1.27; 0.344	1.59; 0.385 1.39; 0.385
Tappet Clr-Valve			
Material	Int .018"H; SAE 1047 (2) Exh .018"H; Cast Austenitic Steel		Hyd. L.; 1047 (2) Hyd. L.; CAS
<b>CARBURETOR</b>			
Make, Model	Holley 1909	Holley 1909	Ford
Type and Size (in)	Sgl; 1.44	Sgl; 1.44	2 Bbl; 1.31
<b>TRANSMISSION</b>			
Standard	Manual	Manual	Manual
Optional	Merc-O-Matic	Merc-O-Matic	Merc-O-Matic or O.D.
Axle Ratio with			
Manual	3.50	3.50	3.25; 3.50 opt
Automatic	3.50	3.25	3.25; 3.50 opt
Overdrive			3.50
<b>CAPACITY</b>			
Oil (Refill) (qt)	3.5	3.5	4
Water (incl heater) (qt)	9.3	9.5	14.5
Manual Transmission (pt)	2.3	2.5	2.5
Auto. Trans. (Refill-qt)	6.25	6.25	6.25
Rear Axle (pt)	2.5	2.5	2.5
Gasoline (gal)	14	16	16
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	114; 55, 54.5	116.5; 57, 56	116.5; 57, 56
Length-Width (in)	194.8; 70.4	203.8; 71.3	203.8; 71.3
Turning Diam. (w to w) (ft)	42.4	43.1	43.1
Shipping Weight (lb)	2457	2885	3043
Suspension-Frt, Rear	Independent Coil Springs; Semi-elliptic		
Tire Size—Recm Press. (lb)	6.00x13-24-24	6.50x14-24-24	6.50x14-24-24
(1) Timing set at 6°BTC with manual transmission; 12°BTC with automatic.			
(2) Valves are aluminum coated.			
(3) Optional engine with same specifications as Meteor 6 available.			

Brief Passenger Car Data for 1962

January 1, 1962

# MERCURY

CAR MODEL	Monterey Six	Monterey Std. V-8	Monterey 390 V-8
<b>ENGINE</b>			
No. Cyl-Head Type.....	6-1	V-8-1	V-8-1
Bore and Stroke (in).....	3.625 x 3.6	3.75 x 3.3	4.05 x 3.78
Displacement (cu in).....	223	292 (1)	390
Max Horsepower @ rpm....	138 @ 4200	170 @ 4200 (1)	300 @ 4600
Max Torque, lb-ft @ rpm....	203 @ 2200	279 @ 2200 (1)	427 @ 2800
Max bmep, lb/sq in.....	137.3	144.1	165.1
Compression Ratio.....	8.4	8.8 (1)	9.6
Material-Cyl Head, Block...	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AL BTF6	AL BF 82	AL BF 42
Alternate.....	860, 84T	F-14Y, 85TS	F11Y, 84TS
Spark Plug Gap (in).....	.032 to .036	.032 to .036	.032 to .036
Firing Order.....	1-5-3-6-2-4	1-5-4-8-6-3-7-2	1-5-4-2-6-3-7-8
Distributor Model.....	C1AF-12127-E	C0AF-12127-A	C2AF-12127-A
Breaker Gap (in).....	.024 to .026	.014 to .016	.014 to .016
Cam Angle (degrees).....	35 to 38	26 to 28.5	26 to 28.5
Basic Timing, °BTC.....	(2)	(3)	8
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)..... Int	1.78; 0.369	1.65; 0.360	2.03; 0.408
Exh	1.51; 0.369	1.51; 0.360	1.56; 0.408
Tappet Clr-Valve Matl. Int	0.0; 1047 (4)	0.018"H; 1047 (4)	Hyd. L.; 1047 (4)
Exh	0.0; CAS	0.018"H; CAS	Hyd. L.; CAS (4)
<b>CARBURETOR</b>			
Make, Model.....	Holley	Ford	Ford
Type and Size (in).....	Sgl; 1.56	2 Bbl; 1.44	4 Bbl; 1.56
<b>TRANSMISSION</b>			
Standard.....	Manual	Manual	Multi-Drive
Optional.....	Merc-O-Matic	Merc-O-Matic or Multi-Drive	
Axle Ratio—Manual.....	3.56	3.56	NA
Axle Ratio—Automatic....	3.56	3.00	3.00
<b>CAPACITY</b>			
Oil (Refill).....(qt)	4	5	5
Water (incl heater)....(qt)	16	20	20.5
Manual Transmission... (pt)	3.0	3.0	
Auto. Trans..... (Refill-qt)		Merc-O-Matic 9.5; Multi-Drive 10	
Rear Axle.....(pt)	5.0	5.0	5.0
Gasoline.....(gal)	20	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread. (in)	120; 61, 60	120; 61, 60	120; 61, 60
Length-Width.....(in)	215.5; 79.5	215.5; 79.5	215.5; 79.5
Turning Diam. (w to w). (ft)	44.3	44.3	44.3
Shipping Weight.....(lb)	3721	3851	3976
Suspension-Frt, Rear.....	Independent Coil Springs; Semi-elliptic		
Tire Size—Recm Press. (lb)	7.50x14-24-24	7.50x14-24-24	7.50x14-24-24

(1) Two additional engine options are available—a 352 cu. in., 8.9 CR, 220 bhp @ 4300 rpm, 336 lb-ft @ 2600 rpm and a high performance 390 cu. in., 9.6 CR, 330 bhp @ 5000 rpm, 427 lb-ft @ 3200 rpm.

(2) 6°BTC with manual transmission; 12°BTC with automatic.

(3) 5°BTC with manual transmission; 12°BTC with automatic.

(4) Valves are aluminum coated.

# OLDSMOBILE

CAR MODEL	F-85	Cutlass and F-85 Power Option
<b>ENGINE</b>		
No. Cyl-Head Type.....	V-8-I	V-8-I
Bore and Stroke (in).....	3.5 x 2.8	3.5 x 2.8
Displacement (cu in).....	215	215
Max Horsepower @ rpm.....	155 @ 4800	185 @ 4800 (1)
Max Torque, lb-ft @ rpm.....	210 @ 3200	230 @ 3200 (1)
Max bmep, lb/sq in.....	147.3	161.3
Compression Ratio.....	8.75	10.25 (1)
Material-Cyl Head, Block.....	Al A; Al A	Al A; Al A
<b>IGNITION</b>		
Spark Plug—Factory Eqpt.....	AC 46FFX	AC 45FF
Alternate.....	AL AE82, Ch UL-15Y	AL AE 52, Ch UL-15Y
Spark Plug Gap (in).....	.030	.030
Firing Order.....	1-8-4-3-6-5-7-2	
Distributor Model.....	DR 1110975	DR 1110975
Breaker Gap (in).....	.016	.016
Cam Angle (degrees).....	28 to 32	28 to 32
Basic Timing.....	7.5°BTC @ 850 rpm with vacuum disconnected (2)	
Battery—Volts, Ground.....	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in).....	Int 1.522; 0.384 Exh 1.353; 0.384	1.522; 0.384 1.353; 0.384
Tappet Clr-Valve Material.....	Int Hydraulic Lifters; Exh Hydraulic Lifters; 21-4N	SAE 3140 or 8645
<b>CARBURETOR</b>		
Make, Model.....	RP 2GC	RP 4GC
Type and Size (in).....	2 Bbl; 1.31	4 Bbl; 1.31 Pri, 1.44 Sec
<b>TRANSMISSION</b>		
Standard.....	Manual	Manual
Optional.....	Hydra-Matic	Hydra-Matic
Axle Ratio with		
Manual.....	3.08	3.36
Hydra-Matic.....	3.23	3.36
<b>CAPACITY</b>		
Oil (Refill).....(qt)	4	4
Water (incl heater).....(qt)	12.5	12.5
Manual Transmission.....(pt)	2.1	2.1
Auto. Trans.....(Refill-qt)	4	4
Rear Axle.....(pt)	2.1	2.1
Gasoline.....(gal)	16	16
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread.....(in)	112; 56, 56	112; 56, 56
Length-Width.....(in)	188.2; 71.6	188.2; 71.6
Turning Diam. (w to w).....(ft)	39.2	39.2
Shipping Weight.....(lb)	2626 (Deluxe)	2645 (Cutlass)
Suspension-Frt, Rear.....	Ind. Coil Springs; Trailing Link Coil Springs	
Tire Size—Recm Press.....(lb)	6.50x13-22-22	6.50x13-22-22

(1) This engine standard on Cutlass models and optional on F-85.

(2) Timing set at 5°BTC on 8.75 CR engine with manual transmission.



**OLDSMOBILE**

CAR MODEL	"88"	Super 88	"98"
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-8-I	V-8-I	V-8-I
Bore and Stroke (in).....	4.125 x 3.69	4.125 x 3.69	4.125 x 3.69
Displacement (cu in).....	394	394	394
Max Horsepower @ rpm.....	280 @ 4400 (1) (2)	330 @ 4600 (3)	330 @ 4600
Max Torque, lb-ft @ rpm.....	430 @ 2400 (1) (2)	440 @ 2800 (3)	440 @ 2800
Max bmep, lb/sq in.....	164.6	168.4	168.4
Compression Ratio.....	10.25 (2)	10.25 (3)	10.25
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AC 44	AC 44	AC 44
Alternate.....	A 42, J-9Y	A 42, J-9Y	A 42, J-9Y
Spark Plug Gap (in).....	.030	.030	.030
Firing Order.....		1 - 8 - 7 - 3 - 6 - 5 - 4 - 2	
Distributor Model.....	DR 1111004	DR 1110989	DR 1110989
Breaker Gap (in).....	.016	.016	.016
Cam Angle (degrees).....	28 to 32	28 to 32	28 to 32
Basic Timing.....	5°BTC @ 850 rpm with vacuum line disconnected (4)		
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)..... Int	1.875; 0.428	1.875; 0.435	1.875; 0.435
Exh	1.562; 0.435	1.562; 0.437	1.562; 0.437
Tappet Clr-Valve Matl. Int	Hydraulic Lifters; SAE 8645 or SAE 3140		
Exh	Hydraulic Lifters; 21-4N		
<b>CARBURETOR</b>			
Make, Model.....	RP 2GC	RP 4GC	RP 4GC
Type and Size (in).....	2 Bbl; 1.69	4 Bbl; 1.56 Pri, 1.69 Sec	
<b>TRANSMISSION</b>			
Standard.....	Manual	Manual	Hydra-Matic
Optional.....	Hydra-Matic	Hydra-Matic	
Axle Ratio—Manual.....	3.23	3.23	
Axle Ratio—Hydra-Matic..	2.56	2.87 (5)	3.08
<b>CAPACITY</b>			
Oil (Refill).....(qt)	4	4	4
Water (incl heater)....(qt)	20.25	20.25	20.25
Manual Transmission... (pt)	2.5	2.5	
Auto. Trans.....(Refill-qt)	5.5	5.5	5.5
Rear Axle.....(pt)	5.58	5.58	5.58
Gasoline.....(gal)	20	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	123; 61, 61	123; 61, 61	126; 61, 61
Length-Width.....(in)	213.9; 77.9	213.9; 77.9	220; 77.9
Turning Diam. (w to w) (ft)	48.9	48.9	50.3
Shipping Weight.....(lb)	4031	4057	4261
Suspension-Frt, Rear.....	Ind. Coil Springs; Trailing Link Coil Springs		
Tire Size—Recm Press... (lb)	8.00x14-22-22	8.00x14-22-22	8.50x14-22-22

(1) 330 bhp engine as used in Super 88 and 98 is optional.

(2) 8.75 CR regular fuel engine rated at 260 bhp @ 4400 rpm, 410 lb-ft @ 2400 rpm is optional.

(3) Starfire model has 10.5 CR and is rated at 345 bhp @ 4800 rpm, 440 lb-ft @ 3200 rpm.

(4) Ignition timing on Starfire is 7.5°BTC at 850 rpm.

(5) Starfire uses 3.42 axle ratio.

Brief Passenger Car Data for 1962

January 1, 1962

# PLYMOUTH

CAR MODEL	Valiant V-100 and V-200	Savoy, Belvedere and Fury 6
<b>ENGINE</b>		
No. Cyl-Head Type	6-1	6-1
Bore and Stroke (in)	3.4 x 3.125	3.4 x 4.125
Displacement (cu in)	170 (1)	225
Max Horsepower @ rpm	101 @ 4400 (1)	145 @ 4000
Max Torque, lb-ft @ rpm	155 @ 2400 (1)	215 @ 2800
Max bmep, lb/sq in	137.5	144.1
Compression Ratio	8.2	8.2
Material-Cyl Head, Block	CI; CI (1)	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt	Champ N-12Y	Champ N-12Y
Alternate	AL AG 52	AC 45 XLS
Spark Plug Gap (in)	.035	.035
Firing Order	1 - 5 - 3	6 - 2 - 4
Distributor Model	Chrysler 2095974	Chrysler 2095976
Breaker Gap (in)	.017 to .023	.017 to .023
Cam Angle (degrees)	40 to 45	40 to 45
Basic Timing, °BTC	2.5	2.5
Battery—Volts, Ground	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in)	Int 1.62; 0.371 Exh 1.36; 0.364	1.62; 0.371 1.36; 0.364
Tappet Clr-Valve Material	Int .010 "H; SAE 1041 Exh .020 "H; 21-4N	
<b>CARBURETOR</b>		
Make, Model	Car BBS or Holley	Car BBS or Holley
Type and Size (in)	Sgl; 1.56 (2)	Sgl; 1.69
<b>TRANSMISSION</b>		
Standard	Manual	Manual
Optional	TorqueFlite 6	TorqueFlite 6
Axle Ratio with		
Manual	3.55; 3.23, 3.91 opt	3.31; 3.55 opt
TorqueFlite 6	3.23; 3.55 opt	2.93; 3.31, 3.55 opt
<b>CAPACITY</b>		
Oil (Refill)	(qt) 4	4
Water (incl heater)	(qt) 12	13
Manual Transmission	(pt) 5	4.5
Auto. Trans.	(Refill-qt) 7	7
Rear Axle	(pt) 2	3.5
Gasoline	(gal) 14	20
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread	(in) 106.5; 55.9, 55.6	116; 59.4, 57.5
Length-Width	(in) 184.2; 70.4	202; 75.6
Turning Diam. (w to w)	(ft) 39.5	43.8
Shipping Weight	(lb) 2520 (V-200)	3010 (Belvedere)
Suspension-Frt, Rear	Ind. Tor. Bar; Semi-elliptic	
Tire Size—Recm Press	(lb) 6.50x13-24-24	6.50x14-24-24

- (1) Optional power package 225 cu. in. engine available. Engine has same specifications as Plymouth 6 engine except that the block is die cast aluminum alloy.
- (2) Carburetor size 1.69 inches with automatic transmission.

CAR MODEL	Savoy, Belvedere and Fury V-8	Power Pak Engine Option	Sport Fury
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-8-I	V-8-I	V-8-I
Bore and Stroke (in).....	3.91 x 3.31	3.91 x 3.31	4.12 x 3.38
Displacement (cu in).....	318 (1)	318	361
Max Horsepower @ rpm....	230 @ 4400 (1)	260 @ 4400	305 @ 4800
Max Torque, lb-ft @ rpm..	340 @ 2400 (1)	345 @ 2800	395 @ 3000
Max bmep, lb/sq in.....	161.2	163.6	165.0
Compression Ratio.....	9.0	9.0	9.0
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	Champ J-12Y	Champ J-12Y	Champ J-9Y
Alternate.....	AL A42, AC 44S	AL A42, AC 44S	AL A32, AC 42S
Spark Plug Gap (in).....	.035	.035	.035
Firing Order.....		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2	
Distributor Model.....	2095983 (2)	2095981	AL IBS-4006-G
Breker Gap (in).....	.014 to .019	.014 to .019	.014 to .019
Cam Angle (degrees).....	27 to 32	27 to 32	27 to 32 each set
Basic Timing, °BTC.....	5 (2)	10	10
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in).....	Int 1.84; 0.380 Exh 1.56; 0.386	1.84; 0.400 1.56; 0.406	2.08; 0.430 1.60; 0.430
Tappet Clr-Valve			
Material.....	Int .010 °H; SAE 1041 Exh .018 °H; 21-4N		Hyd. L; 1041 Hyd. L; 21-4N
<b>CARBURETOR</b>			
Make, Model.....	Car BBD or Strom WW3	Car AFB	Car AFB
Type and Size (in).....	2 Bbl; 1.44	4 Bbl; 1.44	4 Bbl; 1.44
<b>TRANSMISSION</b>			
Standard.....	Manual	TorqueFlite	Manual
Optional.....	TorqueFlite		TorqueFlite
Axle Ratio with			
Manual.....	3.23; 3.55 opt		3.23; 3.55 opt
TorqueFlite.....	2.76; 3.23 opt	3.23; 2.76 opt	3.23; 2.76 opt
<b>CAPACITY</b>			
Oil (Refill).....(qt)	4	4	4
Water (incl heater).....(qt)	21	21	17
Manual Transmission.....(pt)	4.5		4.5
Auto. Trans.....(Refill-qt)	9	9	9
Rear Axle.....(pt)	4	4	4
Gasoline.....(gal)	20	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	116; 59.4, 57.5	116; 59.4, 57.5	116; 59.4, 57.5
Length-Width.....(in)	202; 75.6	202; 75.6	202; 75.6
Turning Diam. (w to w).....(ft)	43.8	43.8	43.8
Shipping Weight.....(lb)	3150 (Belvedere)	NA	3265
Suspension-Frt, Rear.....		Ind. Tor. Bar; Semi-elliptic	
Tire Size—Recm Press. (lb)	7.00x14-24-22	7.00x14-24-22	7.00x14-24-22

(1) The 260 bhp power pak engine or the 305 bhp Golden Commando engine used in the Sport Fury are optional in all V-8's.

(2) Timing and distributor given for manual transmission. With automatic 2095979 distributor with 10°BTC basic timing.

# PONTIAC

CAR MODEL	Catalina	Star Chief	Bonneville and Grand Prix
<b>ENGINE</b>			
No. Cyl-Head Type.....	V-8-I	V-8-I	V-8-I
Bore and Stroke (in).....	4.06 x 3.75	4.06 x 3.75	4.06 x 3.75
Displacement (cu in).....	389	389	389
Max Horsepower @ rpm...	267 @ 4200 (1)	283 @ 4400 (1)	303 @ 4600 (1)
Max Torque, lb-ft @ rpm..	405 @ 2400 (1)	413 @ 2800 (1)	425 @ 2800 (1)
Max bmep, lb/sq in.....	157.0 (1)	160.1 (1)	164.8 (1)
Compression Ratio.....	10.25 (1)	10.25 (1)	10.25 (1)
Material-Cyl Head, Block..	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AC 45S	AC 45S	AC 45S
Alternate.....		AL A52, Champ J-12Y	
Spark Plug Gap (in).....	.033 to .038	.033 to .038	.033 to .038
Firing Order.....		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2	
Breaker Gap (in).....	.016	.016	.016
Cam Angle (degrees).....	28 to 32	28 to 32	28 to 32
Basic Timing, °BTC.....	6	6	6
<b>VALVES</b>			
Size and Lift (in)..... Int	1.88; 0.37	1.88; 0.40	1.88; 0.40
Exh	1.60; 0.37	1.60; 0.40	1.60; 0.40
Tappet Clr-Valve Matl.. Int	Hyd. Lifters; Manganese Moly Aluminized		
Exh	Hyd. Lifters; T-XCR Aluminized		
<b>CARBURETOR</b>			
Make, Model.....	RP 2GC	RP 2GC	Carter AFB
Type and Size (in).....	2 Bbl; 1.69	2 Bbl; 1.69	4 Bbl; 1.44 pri, 1.69 sec
<b>TRANSMISSION</b>			
Standard.....	Manual (2)	Manual (2)	Manual (2)
Optional.....	Hydra-Matic (3 spd)	Hydra-Matic (4 spd)	Hydra-Matic (4 spd) (3)
Axle Ratio—Manual.....	3.23 Standard; 3.08 and 3.42 Optional (3)		
Axle Ratio—Hydra-Matic..	2.69; 2.56, 3.08 opt	3.08; 2.69 opt	3.08; 2.69 opt (3)
<b>CAPACITY</b>			
Oil (Refill)..... (qt)	4	4	4
Water (incl heater)..... (qt)	19.5	19.5	19.5
Manual Transmission..... (pt)	1.8	2.8	2.8
Auto. Trans..... (Refill-qt)	6	9	9
Rear Axle..... (pt)	5.5	5.5	5.5
Gasoline..... (gal)	25	25	25
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread. (in)	120; 62.5, 62.5	123; 62.5, 62.5	123; 62.5, 62.5 (4)
Length-Width..... (in)	211.6; 78.6	218.6; 78.6	218.6; 78.6 (4)
Turning Diam. (w to w) (ft)	45.5	46.4	46.4 (4)
Shipping Weight..... (lb)	3749	3865	3933 (Bonneville)
Suspension-Frt, Rear.....	Ind. Coil Springs; Trailing Link Coil Springs		
Tire Size—Recm Press.. (lb)	8.00x14-22-22 Std; 8.50x14-20-20 Opt		

- (1) Specifications given for engines equipped with optional Hydra-Matic trans. Catalina and Star Chief 215 bhp @ 3600 rpm, 390 lb-ft @ 2000 rpm, 8.6 CR and Bonneville 235 bhp @ 3600 rpm, 402 lb-ft @ 2000 rpm, 8.6 CR with manual trans. The following optional engines are available:

BHP @ RPM	Torque @ RPM	CR	Carburetor	Transmission
230 @ 4000	380 @ 2000	8.6	2 Bbl	Hydra-Matic
235 @ 3600	402 @ 2000	8.6	4 Bbl	Synchromesh
303 @ 4600	425 @ 2800	10.25	4 Bbl	Hydra-Matic
318 @ 4600	430 @ 3200	10.75	3-2 Bbl	SM or HM
333 @ 4800	425 @ 2800	10.75	4 Bbl	SM or HM
348 @ 4800	430 @ 3200	10.75	3-2 Bbl	SM or HM

- (2) Four speed manual transmission optional.

- (3) Grand Prix uses 3.42 axle with manual; 3.23 with 3 spd Hydra-Matic.

- (4) Grand Prix dimensions same as Catalina.

Brief Passenger Car Data for 1962

January 1, 1962

CAR MODEL	PONTIAC		
	Tempest 4 Synchromesh	Tempest 4 Automatic	Tempest V-8
<b>ENGINE</b>			
No. Cyl-Head Type.....	4-I	4-I	V-8-I
Bore and Stroke (in).....	4.06 x 3.75	4.06 x 3.75	3.50 x 2.80
Displacement (cu in).....	194.5	194.5	215
Max Horsepower @ rpm....	110 @ 3800 (1)	115 @ 4000 (1)	190 @ 4800
Max Torque, lb-ft @ rpm..	190 @ 2000 (1)	195 @ 2200 (1)	235 @ 3000
Max bmep, lb/sq in.....	147.3	151.2	164.8
Compression Ratio.....	8.6 (1)	8.6 (1)	11.0
Material-Cyl Head, Block..	CI; CI	CI; CI	Al A; Al A

<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	AC 45S	AC 45S	AC 44FFS
Alternate.....	AL A52, Champ J-12Y		AE 42, UL-15Y
Spark Plug Gap (in).....	.033 to .038	.033 to .038	.030 to .034
Firing Order.....	1-3-4-2	1-3-4-2	1-8-4-3-6-5-7-2
Distributor Model.....	DR 1110282 (2)	DR 1110282 (2)	DR 1111012
Breaker Gap (in).....	.013 to .019	.013 to .019	.013 to .019
Cam Angle (degrees).....	73 to 77	73 to 77	28 to 32
Basic Timing, °BTC.....	6	6	5
Battery—Volts, Ground....	12, Neg	12, Neg	12, Neg

<b>VALVES</b>			
Size and Lift (in)..... Int	1.88; 0.33	1.88; 0.34	1.50; 0.38
Exh	1.60; 0.33	1.60; 0.34	1.31; 0.38
Tappet Clr-Valve Matl. Int	Hyd. Lifters; Mn Moly Aluminized	Hyd. L; 1050	
Exh	Hyd. Lifters; T-XCR Aluminized	Hyd. L; Sil 10	

<b>CARBURETOR</b>			
Make, Model.....	RP BC	RP BC	RP 4GC
Type and Size (in).....	Sgl; 1.57	Sgl; 1.57	4 Bbl; 1.31

<b>TRANSMISSION</b>			
Standard.....	Manual (3)		TempestTorque
Optional.....		TempestTorque	
Axle Ratio with			
Manual.....	3.31 std; 3.55 opt (4)		
Automatic.....	3.08 std; 3.55 opt (4)		3.08; 3.55 opt

<b>CAPACITY</b>			
Oil (Refill).....(qt)	4	4	4
Water (incl heater)....(qt)	12.6	12.6	12.6
Manual Transmission....(pt)	3		
Auto. Trans.....(Refill-qt)		2	2
Rear Axle.....(pt)	3.3	3.3	3.3
Gasoline.....(gal)	16	16	16

<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	112; 56.8, 56.8	112; 56.8, 56.8	112; 56.8, 56.8
Length-Width.....(in)	189.3; 72.2	189.3; 72.2	189.3; 72.2
Turning Diam. (w to w)....(ft)	40.4	40.4	40.4
Shipping Weight.....(lb)	2816	2832	2657
Suspension-Frt, Rear.....	Ind. Coil Springs; Swing Axle Transaxle		
Tire Size—Recm Press....(lb)	6.00x15-22-22 Std; 6.50x15-22-22 Opt		

(1) Three additional optional engines are available:

BHP @ RPM	Torque @ RPM	CR	Carburetor	Transmission
120 @ 3800	202 @ 2000	10.25	Sgl	Manual
140 @ 4400	207 @ 2200	10.25	Sgl	Automatic
166 @ 4800	215 @ 2800	10.25	4 Bbl	Man, Auto

(2) DR 1110283 with premium fuel 10.25 CR engine.

(3) Four-speed manual transmission optional.

(4) 3.55 std; 3.08 and 3.73 optional on 166 bhp engine.

Brief Passenger Car Data for 1962

January 1, 1962

# RAMBLER AMERICAN

CAR MODEL	Deluxe and Custom	400
<b>ENGINE</b>		
No. Cyl-Head Type.....	6-L	6-I (1)
Bore and Stroke (in).....	3.125 x 4.25	3.125 x 4.25
Displacement (cu in).....	195.6	195.6
Max Horsepower @ rpm.....	90 @ 3800	125 @ 4200 (1)
Max Torque, lb-ft @ rpm.....	160 @ 1600	180 @ 1600 (1)
Max bmep, lb/sq in.....	123.4	138.5
Compression Ratio.....	8.0	8.7 (1)
Material-Cyl Head, Block.....	CI; CI	CI; CI
<b>IGNITION</b>		
Spark Plug—Factory Eqpt.....	Champ H-10	Champ H-18Y
Alternate.....	AC 45L, AL AL-7	AC 45LS, AL AL 82
Spark Plug Gap (in).....	.033 to .037	.033 to .037
Firing Order.....	1 - 5 - 3	6 - 2 - 4
Distributor Model.....	AL IAT-4407	DR 1112435
Breaker Gap (in).....	.018 to .022	.016
Cam Angle (degrees).....	37 to 41	28 to 35
Basic Timing, °BTC.....	3	8 (2)
Battery—Volts, Ground.....	12, Neg	12, Neg
<b>VALVES</b>		
Size and Lift (in).....	Int 1.469; 0.324	1.594; 0.371
	Exh 1.281; 0.322	1.343; 0.367
Tappet Clr-Valve Material... Int	.016°C; 1041 Alum.	.012°H; 1041 Alum.
	Exh .018°C; Sil 10	.016°H; 21-4N
<b>CARBURETOR</b>		
Make, Model.....	Carter YF	Holley
Type and Size (in).....	Sgl; 1.44	Sgl; 1.44
<b>TRANSMISSION</b>		
Standard.....	Manual	Manual
Optional.....	E-stick, Overdrive or Flash-O-Matic	
Axle Ratio with		
Manual.....	3.31; 3.78 opt	2.87; 3.31 opt (3)
Overdrive.....	3.78; 4.11 opt	3.31; 3.78 opt
Flash-O-Matic.....	3.31	2.87; 3.31 opt
<b>CAPACITY</b>		
Oil (Refill).....(qt)	4	4
Water (incl heater).....(qt)	12	11
Manual Transmission.....(pt)	1.5	1.5
Auto. Trans.....(Refill-qt)	9	9
Rear Axle.....(pt)	3	3
Gasoline.....(gal)	20	20
<b>GENERAL DATA (Four-Door Sedan)</b>		
Wheelbase-F&R Tread.....(in)	100; 54.6, 55	100; 54.6, 55
Length-Width.....(in)	173.1; 70	173.1; 70
Turning Diam. (w to w).....(ft)	37.9	37.9
Shipping Weight.....(lb)	2512 (Custom)	2585
Suspension-Frt, Rear.....	Independent Coil Springs; Semi-elliptic	
Tire Size—Recm Press.....(lb)	6.00x15-24-24 (4)	6.00x15-24-24 (4)

(1) American 400 engine optional on Deluxe and Custom.

(2) 10°BTC with automatic transmission.

(3) With "E-stick" transmission axle ratio 3.31 std, 3.78 opt.

(4) 6.50 x 15 tires optional.

CAR MODEL	Rambler Classic 6	Rambler Ambassador V-8	RAMBLER
<b>ENGINE</b>			
No. Cyl-Head Type.....	6-1 (1)	V-8-1	
Bore and Stroke (in).....	3.125 x 4.25	4.0 x 3.25	
Displacement (cu in).....	195.6	327	
Max Horsepower @ rpm.....	127 @ 4200 (2)	250 @ 4700 (3)	
Max Torque, lb-ft @ rpm.....	180 @ 1600 (2)	340 @ 2600 (3)	
Max bmep, lb/sq in.....	138.5	156.8	
Compression Ratio.....	8.7	8.7 (3)	
Material-Cyl Head, Block.....	CI; Al A (1)	CI; CI	
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.....	Champion H-10	Champion H-10	
Alternate.....	AC 45LS, AL AL-7	AC 45L, AL AL-7	
Spark Plug Gap (in).....	.033 to .037	.033 to .037	
Firing Order.....	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Distributor Model.....	DR-1112435	AL IBP-4109	
Breaker Gap (in).....	.016	.015 to .019	
Cam Angle (degrees).....	28 to 35	34	
Basic Timing, °BTC.....	5	TDC (4)	
Battery—Volts, Ground.....	12, Neg	12, Neg	
<b>VALVES</b>			
Size and Lift (in)..... Int	1.594; 0.406	1.787; 0.375	
Exh	1.250; 0.406	1.406; 0.375	
Tappet Clr-Valve Material... Int	Hyd. L; 1041 Alum.	Hyd. L; Sil 1 or XB	
Exh	Hyd. Lifters; 21-4N	Hyd. Lifters; 21-4N	
<b>CARBURETOR</b>			
Make, Model.....	Holley or Car	Holley	
Type and Size (in).....	Sgl; 1.44 (2)	2 Bbl; 1.44 (3)	
<b>TRANSMISSION</b>			
Standard.....	Manual	Manual	
Optional.....	Overdrive or	Flash-O-Matic	
Axle Ratio—Manual.....	3.78; 4.11 opt	3.54	
Axle Ratio—Overdrive.....	4.11; 4.38 opt	3.54; 4.10 opt	
Axle Ratio—Flash-O-Matic.....	3.31; 3.78 opt	2.87 (5)	
<b>CAPACITY</b>			
Oil (Refill).....(qt)	4	4	
Water (incl heater).....(qt)	10.5	19	
Manual Transmission.....(pt)	1.5	4	
Auto. Trans.....(Refill-qt)	9	11	
Rear Axle.....(pt)	3	4	
Gasoline.....(gal)	20	20	
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread.....(in)	108; 58.1, 58	108; 58.6, 59.1	
Length-Width.....(in)	190, 72.4	190, 72.4	
Turning Diam. (w to w).....(ft)	39.5	39.7	
Shipping Weight.....(lb)	2853 (400)	3283 (400)	
Suspension-Frt, Rear.....	Ind. Coil Springs; Torque Tube Coil Springs		
Tire Size—Recm Press.....(lb)	6.50x15-24-24 (6)	7.50x14-24-24 (7)	

- (1) Engines used in Deluxe and Custom models use cast iron block (opt. on 400); 400 model uses die-cast aluminum block (opt. on Deluxe and Custom). Specifications given for aluminum block engine.
- (2) Optional 138 bhp @ 4500 rpm, 185 lb-ft @ 1800 rpm engine available with 2-bbl. carburetor.
- (3) With optional 4-bbl. carb, 9.7 CR, 270 bhp @ 4700 rpm, 360 lb-ft @ 2600.
- (4) TDC with manual transmission; 5°BTC with automatic.
- (5) 3.15 axle ratio used with 9.7 CR high performance engine.
- (6) 6.70 x 15 tires optional.
- (7) 8.00 x 14 tires optional.

# STUDEBAKER

CAR MODEL	Lark 6	Lark V-8	Hawk Coupe
<b>ENGINE</b>			
No. Cyl-Head Type	6-1	V-8-1	V-8-1
Bore and Stroke (in)	3.0 x 4.0	3.56 x 3.25	3.56 x 3.625
Displacement (cu in)	169.6	259.2	289
Max Horsepower @ rpm	112 @ 4500	180 @ 4500 (1)	210 @ 4500 (2)
Max Torque, lb-ft @ rpm	154 @ 2000	260 @ 2800 (1)	300 @ 2800 (2)
Max bmep, lb/sq in	136.9	151.3	156.5
Compression Ratio	8.25	8.5	8.5
Material-Cyl Head, Block	CI; CI	CI; CI	CI; CI
<b>IGNITION</b>			
Spark Plug—Factory Eqpt.	Champ H-14Y	Champ H-14Y	Champ H-14Y
Alternate	AL 52, 43 LS	AL AL 52, AC 45L	
Spark Plug Gap (in)	.033 to .038	.033 to .038	.033 to .038
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Distributor Model	AL IAT-4403-B	AL IBP-4108	AL IBP-4108
Breaker Gap (in)	.017 to .022	.014 to .019	.014 to .019
Cam Angle (degrees)	37 to 41	27 to 31	27 to 31
Basic Timing, °BTC	2	4	4
Battery—Volts, Ground	12, Neg	12, Neg	12, Neg
<b>VALVES</b>			
Size and Lift (in)	Int 1.59; 0.375 Exh 1.40; 0.375	1.66; 0.375 1.53; 0.375	1.66; 0.375 1.53; 0.375
Tappet Clr-Valve Matl.	Int Exh	.026°C or .024°H; 8645 .026°C or .024°H; 2112N	
<b>CARBURETOR</b>			
Make, Model	Carter AS	Strom WW6 (1)	Strom WW6 (2)
Type and Size (in)	Sgl; 1.56	2 Bbl; 1.44	2 Bbl; 1.44
<b>TRANSMISSION</b>			
Standard	Manual	Manual	Manual (3)
Optional		Overdrive or Flightomatic	
Axle Ratio—Manual	3.73; 3.31, 4.10 opt	3.07; 3.31 opt	3.31; 3.73 opt
Axle Ratio—Overdrive	4.1; 3.73, 4.56 opt	3.31; 3.07, 3.73 opt	3.73; 3.31 opt
Axle Ratio—Flightomatic	3.73; 4.10 opt	3.07; 3.31 opt	3.31; 3.07 opt
<b>CAPACITY</b>			
Oil (Refill) (qt)	5	5	5
Water (incl heater) (qt)	12	18	18
Manual Transmission (pt)	2.3	3.8	3.8
Auto. Trans. (Refill-qt)	9	9	9
Rear Axle (pt)	2.5	2.5	3
Gasoline (gal)	18	18	18
<b>GENERAL DATA (Four-Door Sedan)</b>			
Wheelbase-F&R Tread (in)	113; 57.4, 56.6 (4)	113; 57.4, 56.6 (4)	120.5; 57.4, 56.6
Length-Width (in)	188; 71.3 (4)	188; 71.3 (4)	204; 71
Turning Diam. (w to w) (ft)	41.5	41.5	45.3
Shipping Weight (lb)	2770 (Regal)	3025 (Regal)	3285
Suspension-Frt, Rear	Independent Coil Springs; Semi-elliptic		
Tire Size—Recm Press (lb)	6.00x15-24-20	6.50x15-24-20	6.70x15-24-20

(1) 195 bhp @ 4500 rpm; 265 lb-ft @ 3000 rpm with 4-bbl Carter WCFB carburetor and dual exhaust.

(2) 225 bhp @ 4500 rpm; 305 lb-ft @ 3000 rpm with optional 4-bbl Carter WCFB carburetor and dual exhaust.

(3) 4-Speed manual transmission optional.

(4) Two-door sedans, hardtops and convertibles 109 inch wheelbase, 184 inch over-all.



## AUTOMATIC TRANSMISSIONS

### American Motors

#### *Flash-O-Matic (Rambler)*

This transmission is composed of a three-element torque converter and a multiple pinion compound planetary gearset to produce three forward speeds and reverse. The drive is always through the converter which has a maximum torque multiplication of 2.12:1. In D-1 position drive starts through the torque converter and low gear ratio (2.39 or 2.40:1), shifts to torque converter plus intermediate ratio (1.45 or 1.47:1) and then shifts to converter only. In D-2 position transmission starts in intermediate gear and shifts to direct.

### Chrysler Corporation

#### *TorqueFlite (Chrysler, Dodge, Imperial, Lancer, Plymouth, Valiant)*

This transmission consists of a three-element torque converter and two planetary gearsets providing three forward speeds and reverse. The drive is always through the converter which has a maximum torque multiplication of 2.2. Normal drive starts through the converter and low gear ratio (2.45:1), shifts to torque converter plus intermediate ratio (1.45:1) and then shifts to converter only.

### Ford Motor Company

#### *Fordomatic and Merc-O-Matic (Ford, Falcon, Fairlane, Mercury, Meteor, Comet)*

This transmission consists of a three-element torque converter with a multiple pinion planetary gearset providing low and reverse ratios. The drive is always through the converter which has a maximum torque multiplication of 2.4 to 2.6:1. Normal drive starts through the torque converter and low gear ratio (1.75:1) and automatically shifts to converter only.

#### *Cruise-O-Matic, Multi-Drive and Turbo-Drive (Ford, Mercury, Lincoln Continental, Thunderbird)*

This transmission is composed of a three-element torque converter and a multiple pinion planetary gear system to produce three forward speeds and reverse. The drive is always through the converter, which has a maximum torque multiplication of 2.1:1. Normal drive in D-1 position starts through the torque converter and low gear ratio (2.40 or 2.37), shifts to torque converter plus intermediate ratio (1.47 or 1.48) and then shifts to converter only. In D-2 position the transmission starts in intermediate gear and then shifts to direct.

## General Motors Corporation

### *Turbine Drive (Buick LeSabre, Invicta and Electra)*

This transmission consists of a five-element torque converter and a multiple pinion planetary gearset providing low and reverse ratios. The two turbine elements of the converter are interconnected through a planetary gearset of 1.6:1 ratio. The stator vanes are pivoted in the vane carrier and their pitch is controlled by a hydraulic piston in response to accelerator position. The maximum torque multiplication of the converter is 3.4 in the high stator pitch and 3.1 in the low pitch position. No additional gearing, other than the internal gearing between the turbines, is used for normal forward driving. The drive is always through the converter. Low range, 1.82:1 gear ratio, can be manually engaged for extra pulling power and engine braking.

### *Powerglide (Chevrolet, Chevy II, Corvair and Corvette)*

This transmission consists of a three-element torque converter with a multiple pinion planetary gearset providing low and reverse ratios. The drive is always through the converter which has a maximum torque multiplication of 2.1:1 (Chevy II 2.5, Corvair 2.6). Normal drive starts through the torque converter and low gear ratio (1.82:1), (1.76 with 327 engine) and automatically shifts to converter only.

### *Hydra-Matic—Four Speed (Cadillac, Pontiac)*

This transmission consists of two fluid couplings and three planetary gearsets providing four forward speeds and reverse. The large fluid coupling is used for the transmission of power. The small fluid coupling acts as a clutch in the forward planetary gearset. The shifts are automatic and vary with car speed and accelerator position. Ratios are as follows: first, 3.97:1; second, 2.55:1; third, 1.55:1; and fourth, 1:1.

### *Hydra-Matic—Three Speed (Oldsmobile, Oldsmobile F-85, Pontiac)*

This transmission consists of a fluid coupling with a torque multiplier and two planetary gearsets providing three forward speeds and reverse. The transmission starts in low gear ratio (approximately 3.0:1). Because of the torque multiplier in the fluid coupling, the total torque multiplication at stall is approximately 3.6:1. The transmission shifts to second gear (1.56 or 1.58:1) and then to direct drive.

### ***Dual Path Turbine Drive (Buick Special)***

This transmission consists of a three-element torque converter and a planetary gearset providing two forward speeds and reverse. Drive starts through the converter (2.50:1 torque multiplication) and the planetary gearset (1.58:1 ratio). The shift is then to direct drive by engaging the converter clutch. The torque is then split with 36.6% through the mechanical path and 63.4% through the converter.

### ***Tempest Torque (Pontiac Tempest)***

This transmission consists of a three-element torque converter with a multiple pinion planetary gearset providing low and reverse ratios. Normal drive starts through the converter which has a maximum torque multiplication of 2.0:1 and low gear ratio (1.82:1). The upshift to high gear depends on throttle position and car speed. In direct drive torque is split 40% mechanical and 60% through the converter.

### **Studebaker-Packard Corporation**

#### ***Flightsomatic (Studebaker Lark and Hawk)***

This transmission is composed of a three-element torque converter and a multiple pinion compound planetary gearset to produce three forward speeds and reverse. The drive is always through the converter which has a maximum torque multiplication of 2.15:1. In the Lark VI normal drive starts through the torque converter and low gear ratio (2.40:1), shifts to torque converter plus intermediate ratio (1.47:1) and then shifts to converter only. In the Lark VIII and Hawk the transmission starts through the torque converter and intermediate gear and then shifts to converter only. Low ratio can be engaged for added acceleration by depressing the accelerator to the floor.

# SPARK PLUG HEAT

		←————HOTTER————→				
AC	14 mm 3/8" Reach	C49	48	46S* 46 R46 R46S*	R45 45S* 45 R45S*	
	14 mm 1/2" Reach	47L			45L 45LS* LM45L	
	14 mm 1/2" Reach	47FF	46FF 46FFX* R46FF	45FFS*	45FF 45F 45FD	
	14 mm 3/4" Reach	47XL	46XL 46N R46N	45N	45XL R45XL R45XLS* 45XLS*	
	18 mm 60° Seat		86T 86TS*		85T R86T 85TS* R86TS*	
CHAM- PION	14 mm 3/8" Reach	UJ-12†	J-11	XJ-20Y*	J-8 J-18Y* UJ-8†	
	14 mm 1/2" Reach	H-12	H-11	H-18Y*	H-10 H-14Y*	
	14 mm 1/2" Reach					
	14 mm 3/4" Reach	N-18				
	18 mm 60° Seat	870 F-14Y*				
AUTO- LITE	14 mm 3/8" Reach	A11	AR10 AT10	A9 AZ9†	AR80 AR82* AT8	A7
	14 mm 1/2" Reach	AL11	AL9	ARL8 ATL8	ARL82* AL82*	AL7 AT6
	14 mm 1/2" Reach	AE82*				AE6 AER6 AE62*
	14 mm 3/4" Reach	4GS125		4GS-150 AGR82* AG82*	AG7 AGZ7†	
	18 mm 60° Seat	BF92*		BRF8 BF82* BRF82*	BF7	

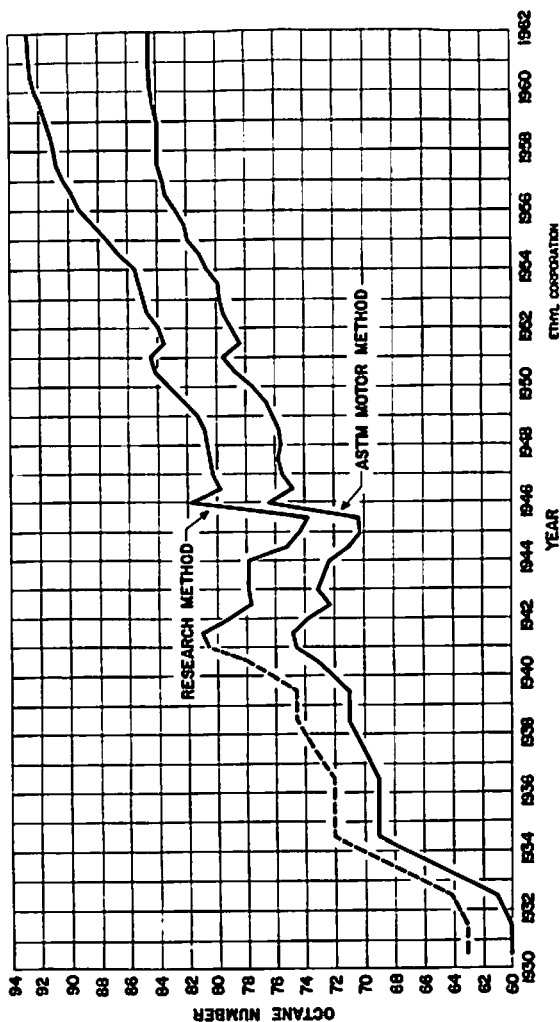
\* Plugs with extended gap design

† Plugs with internal auxiliary gaps

# RANGE COMPARISONS

COLDER					
44 R44	R44S* 44S*	48 R48	42 42S*	14 mm 3/8" Reach	AC
48L				14 mm 1/4" Reach	
44FF 44F		42FF		14 mm 1/2" Reach	
44N R44N	R44XLS* R44XL	48N R48N	C42N	14 mm 3/4" Reach	
84T 84TS* R84TS*				18 mm 60" Seat	
J-12Y* XJ-12Y*	J-7	J-6 UJ-6†	J-9Y* J-4 J-58R	14 mm 3/8" Reach	CHAM- PION
H-8				14 mm 1/4" Reach	
UL-15Y*†				14 mm 1/2" Reach	
N-8	N-16Y* N-5	UN-12Y* XN12Y*	N-10Y* N-3	14 mm 3/4" Reach	
860 F-11Y*		F-9Y*	F-10	18 mm 60" Seat	
AE51 A5	AE52* AR52*	A42* AR41 AR42* AT4 AT42*	A8 AR32* A82* AR31	14 mm 3/8" Reach	AUTO- LITE
AL5 ARL5	AL52*	ATL4	ATL3	14 mm 1/4" Reach	
AE52*		AE42*	AE22*	14 mm 1/2" Reach	
AGR51 AG5	AGR52* AG52*	AG42* AGR41 AGR42* AG4	AGR32* AGR31 AG8 AG32*	14 mm 3/4" Reach	
BTF6		BRF42* BF42*	BTF3 BF32*	18 mm 60" Seat	

# TREND IN ANTIKNOCK QUALITY OF REGULAR GASOLINES SOLD IN THE UNITED STATES



# TREND IN ANTIKNOCK QUALITY OF PREMIUM GASOLINES SOLD IN THE UNITED STATES

